

THAT WHICH IS CLAIMED IS:

1. Isolated and purified *Pfiesteria* toxin having the NMR spectra given in Figure 1 herein.
2. Isolated and purified *Pfiesteria* toxin according to claim 1 produced by the process of:
 - (a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;
 - (b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;
 - (c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads.
3. Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said porous silica beads are Iatrobeads.
4. Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said porous silica beads are 6RS-8060 Iatrobeads.
5. Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.
6. Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is *Pfiesteria piscicida*.
7. Isolated and purified *Pfiesteria* toxin according to claim 1, wherein said *Pfiesteria* species is *Pfiesteria shumwayae*.
8. A method of isolated and purified *Pfiesteria* toxin, comprising the steps of:
 - (a) culturing a *Pfiesteria* species in a growth media to produce *Pfiesteria* toxin therein;

(b) separating a first fraction of organic compounds including said *Pfiesteria* toxin from said growth media;

(c) separating a second fraction consisting essentially of said *Pfiesteria* toxin from said first fraction by chromatography with porous silica beads.

9 8. The method of claim 7, wherein said second fraction is characterized by an NMR spectrum as given in **Figure 1** herein.

10 9. The method of claim 7, wherein said porous silica beads are Iatrobeads.

11 10. The method of claim 7, wherein said porous silica beads are 6RS-8060 Iatrobeads.

12 11. The method of claim 7, wherein said *Pfiesteria* species is selected from the group consisting of *Pfiesteria piscicida* and *Pfiesteria shumwayae*.

13 12. The method of claim 7, wherein said *Pfiesteria* species is *Pfiesteria piscicidae*.

14 13. The method of claim 7, wherein said *Pfiesteria* species is *Pfiesteria shumwayae*.